

Supporting Information

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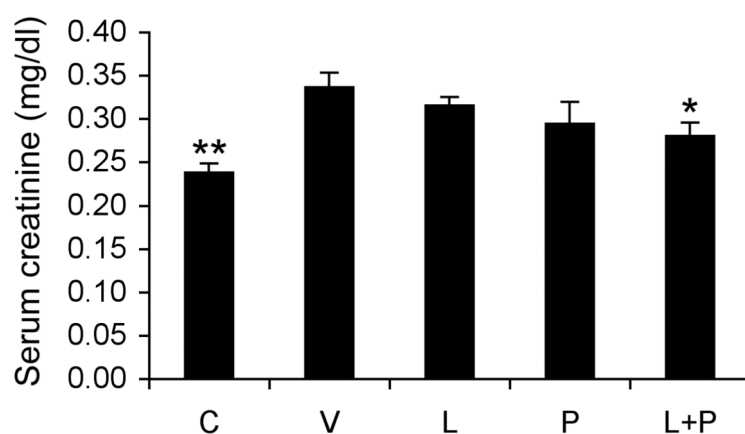


Fig. S1. Effect of the combination therapy on serum creatinine. Serum was obtained from nondiabetic control mice (C) and diabetic mice treated with vehicle (V), losartan (L), paricalcitol (P), and L+P at week 13, and creatinine levels were determined by using QuantiChrom Creatinine Assay kit (BioAssay Systems). *, $P < 0.05$ (vs. V); **, $P < 0.05$ (vs. the rest). $n = 4-6$.

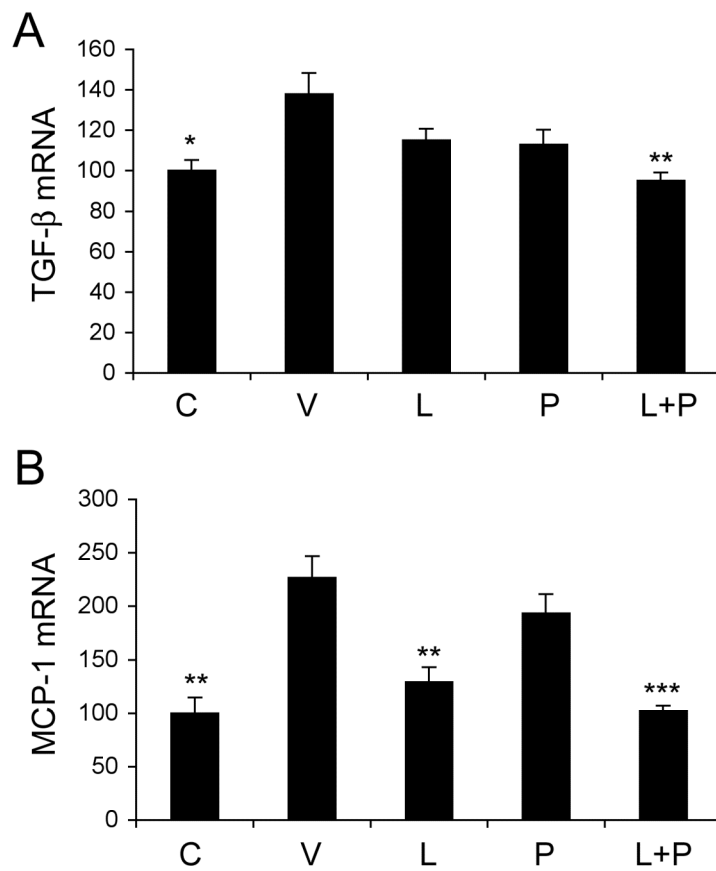


Fig. 52. Expression of TGF- β and MCP-1 in the kidney. Total RNAs were extracted from kidneys of nondiabetic control mice (C) and diabetic mice treated with vehicle (V), losartan (L), paricalcitol (P), and L+P at week 13. Renal TGF- β (A) and MCP-1 (B) expression was quantified with real-time RT-PCR using gene-specific primers. *, $P < 0.05$; **, $P < 0.01$; ***, $P < 0.001$ (vs. V). $n = 4-5$.

Table S1. Blood glucose levels.

Treatment	Blood glucose, mg/dl		
	Before treatment	5 weeks of treatment	10 weeks of treatment
Control	145 ± 19	132 ± 5	124 ± 3
Vehicle	557 ± 22	573 ± 15	>600
Losartan	593 ± 6	556 ± 18	>600
Paricalcitol	544 ± 36	544 ± 6	>600
L+P	525 ± 21	529 ± 38	543 ± 34

Values are expressed as mean ± SEM. L+P, losartan plus paricalcitol. Control is nondiabetic.

Table S2. Primers used in real-time RT-PCR amplification.

Gene	Primer nucleotide sequences	
	Forward	Reverse
Fibronectin	5'-cga ggt gac aga gac cac aa-3'	5'-ctg gag tca agc cag aca ca-3'
α -Actinin-4	5'-gcc atc cag gac atc tct gt -3'	5'-ccg cag ctt gtc ata ctc aa-3'
CD2AP	5'-agg aat tca gcc aca tcc ac-3'	5'-ttg agg gaa aca gtc cca ac-3'
FAT-1	5'-atg cct ctg tgg ttt gac at-3'	5'-tcc tca gga aca gca act tc-3'
Nephrin	5'-ccc ctc tat gat gaa gta caa atg ga-3'	5'-gta cgg att tcc tca ggt ctt ct-3'
Neph-1	5'-cgt cta atg acc tgc caa tc-3'	5'-cct cat tca tac tgc gac ag-3'
ZO-1	5'-cca cct ctg tcc agc tct tc-3'	5'-cac cgg agt gat ggt ttt ct-3'
Podocin	5'-gtg tcc aaa gcc atc cag tt-3'	5'-gtc ttt gtg cct cag ctt cc-3'
Renin	5'-gag gcc ttc ctt gac caa tc-3'	5'-tgt gaa tcc cac aag caa gg-3'
MCP-1	5'-GCT CAG CCA GAT GCA GTT AA-3'	5' -TCT TGA GCT TGG TGA CAA AAA CT-3'
TGF- β	5'-TGG AGC AAC ATG TGG AAC TCT-3'	5'-CCT GTA TTC CGT CTC CTT GGT-3'
β 2-microglobulin	5'-acc ggc ctg tat gct atc cag aaa-3'	5'-att tca atg tga ggc ggg tgg aac-3'

All primers were designed according to the cDNA sequence of each gene deposited in the GenBank database.